

Applicants: Thomas M. Jessell et al.  
Serial No : 10/002,278  
Filed : November 2, 2001  
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In the specification:

Please amend the specification under the provisions of revised 37 C.F.R. §1.121 as follows.

On page 1, line 2, after the Title and before the Background of the Invention, please delete the paragraph which begins "This application is a continuation . . ." and insert the following amended paragraph:

--This application is a continuation of U.S. Serial No. 08/065,844, filed May 20, 1993, now United States Patent No. 6,333,168, issued December 25, 2001, the contents of which are hereby incorporated by reference into the present application.--

On page 7, lines 3-4, please delete the paragraph which begins "Figure 1 . . ." and insert the following amended paragraph:

-- Figure 1

Figures 1A and 1B      Nucleotide and Deduced Amino Acid  
Sequence of Dorsalin-1 (SEQ. ID No.  
1.)--

On page 15, lines 7-17, please delete the paragraph which begins "(J-L) Nomarski (J) and . . ." and insert the following amended paragraph:

--(J-L) Nomarski (J) and immunofluorescence micrograph (K,L) of

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an [i]-neural plate and floor plate conjugate exposed for 48h to  $3 \times 10^{-11}$  M dorsalin-1<sup>myc</sup>. No Islet-1<sup>+</sup> cells are detected (K) whereas the number of 3A10<sup>+</sup> neurons in the neural plate explant (L) is not obviously different from that in the absence of dorsalin-1<sup>myc</sup>. In figures D and [[G]] J, the dashed line outlines the extent of the neural plate (np) explant.--

On page 20, lines 25-35, please delete the paragraph which begins "Dorsalin-1 may be. . ." and insert the following amended paragraph:

--Dorsalin-1 may be produced by a variety of vertebrates. In an embodiment, a human dorsalin-1 nucleic acid molecule is isolated. In another embodiment, a mouse dorsalin-1 nucleic acid molecule is isolated. In a further embodiment, a chick dorsalin-1 nucleic acid molecule is provided. The plasmid, pKB502, encoding a chick dorsalin-1 was deposited on October 5, 1992 with the American Type Culture Collection (ATCC), ~~12301 Parklawn Drive, Rockville, Maryland 20852~~ 10801 University Boulevard, Manassas, VA 20110-2209, U.S.A. under the provisions of the Budapest Treaty for the International Recognition of the Deposit of Microorganism--

On page 23, lines 21-29, please delete the paragraph which begins "In one embodiment, the expression vector. . ." and insert the following amended paragraph:

--In one embodiment, the expression vector, pKB501 (with myc epitope), containing chick dorsalin-1 with a myc-epitope was